

AMENDMENTS TO THE SPECIFICATION:

On page 5, line 29, insert the following new paragraphs:

--Figure 2 illustrates a plurality of thermal contacts arranged in the form of a thermo-chain.

Figure 3 shows a cut-away portion of a cross section of the membrane layer.--.

On page 9, insert the following new paragraphs after line 8:

--Figure 2 shows a plurality of the thermal contacts (10, 11, 24), which are arranged in the form of a thermo-chain, at least (10) and (11) being subjected to different temperatures. The self-supporting membrane (22) acts as insulator between the two materials at the indicated locations, since it is made of an oxide, a nitride or a combination of both materials. An additional measuring device (26) having an evaluation means (28) is used for temperature measurement T1.

Figure 3 shows a cut-away portion of a cross section of the membrane layer in which the two circuit traces (15, 16) run on top of one another. Except for the thermojunctions, they are electrically insulated from one another by an oxide layer (30).--.

IN THE DRAWINGS:

Attached please find a new drawing sheet containing new Figures 2 and 3.